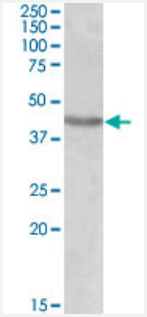
POU3F2 polyclonal antibody

Catalog # PAB18579 Size 100 ug

Applications



Western Blot (Tissue lysate)

POU3F2 polyclonal antibody (Cat # PAB18579) (0.1 ug/mL) staining of mouse brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of POU3F2.
Immunogen	A synthetic peptide corresponding to amino acids at N-terminus of human POU3F2.
Sequence	C-AQSLVQGDYGALQSN
Host	Goat
Theoretical MW (kDa)	45
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:8000) Western Blot (0.1-0.3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

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Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Tissue lysate)

  POU3F2 polyclonal antibody (Cat # PAB18579) (0.1 ug/mL) staining of mouse brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Gene Info — POU3F2

Entrez GeneID	5454
Protein Accession#	NP_005595.2
Gene Name	POU3F2
Gene Alias	BRN2, OCT7, OTF7, POUF3
Gene Description	POU class 3 homeobox 2
Omim ID	600494
Gene Ontology	Hyperlink
Gene Summary	POU3F2 belongs to a large family of transcription factors that bind to the octameric DNA sequenc e ATGCAAAT. Most of these proteins share a highly homologous region, referred to as the POU domain, that occurs in several mammalian transcription factors, including the octamer-binding pro teins Oct1 (POU2F1; MIM 164175) and Oct2 (POU2F2; MIM 164176) and the pituitary protein Pit 1 (PIT1; MIM 173110). Class III POU genes are expressed predominantly in the central nervous sy stem (CNS). It is likely that CNS-specific transcription factors such as these play an important role in mammalian neurogenesis by regulating their diverse patterns of gene expression (Schreiber et al., 1993 [PubMed 8441633]; Atanasoski et al., 1995 [PubMed 7601453]).[supplied by OMIM
Other Designations	POU domain, class 3, transcription factor 2

Disease

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- Huntington disease
- Schizophrenia

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